0057950 "84718560

Fig. 1

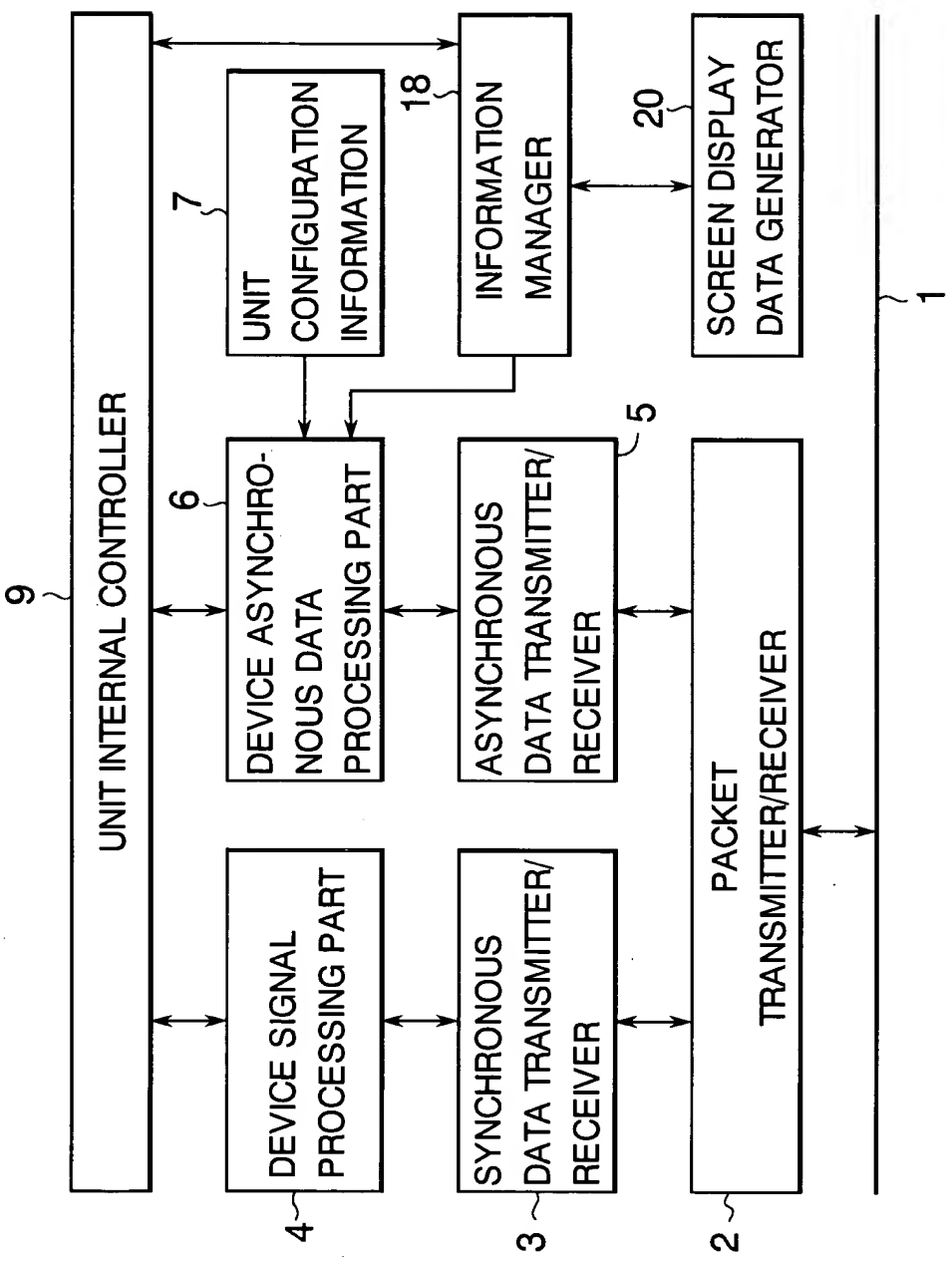
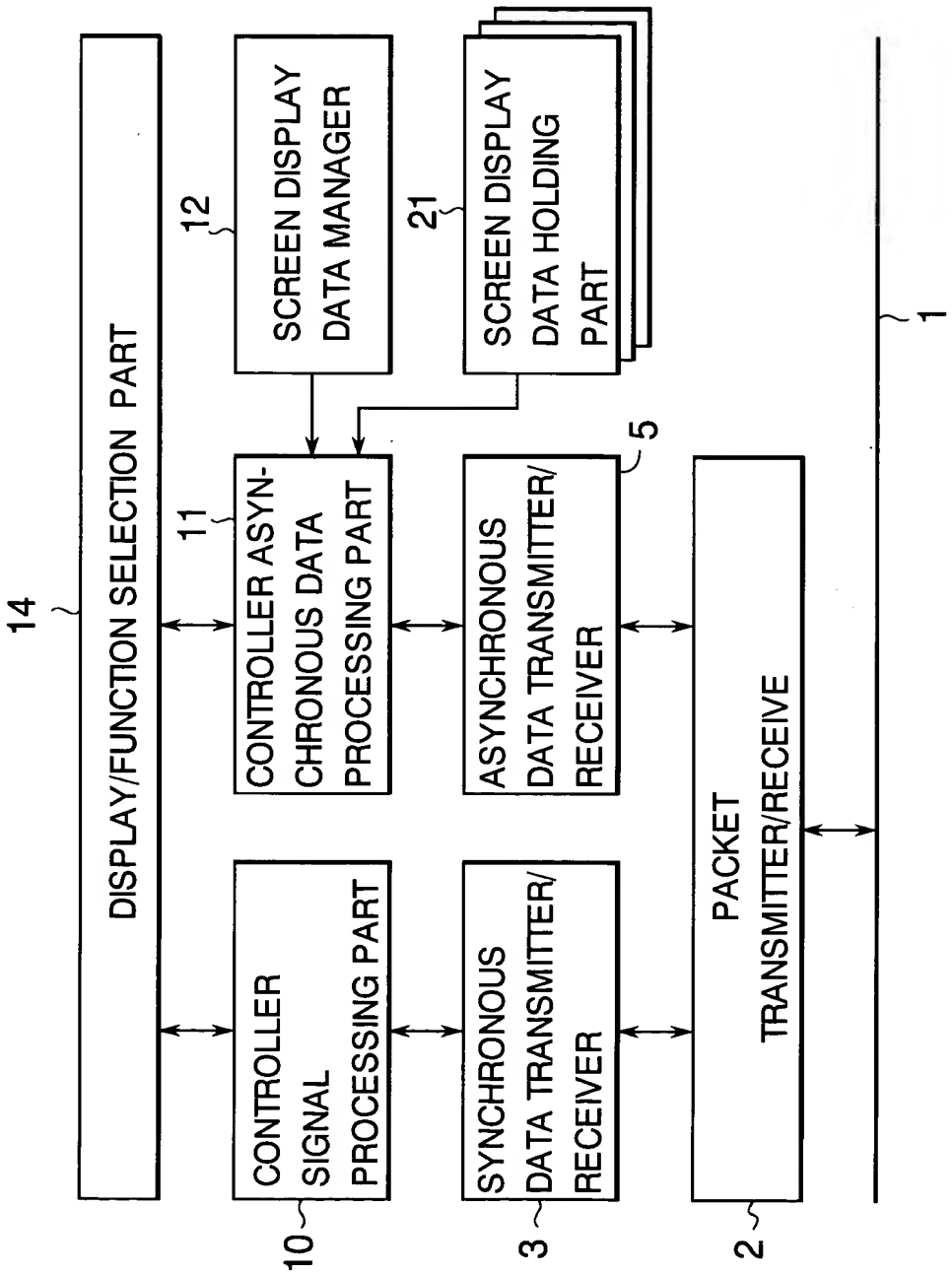


Fig. 2


DISPLAY/FUNCTION SELECTION PART
14
SCREEN DISPLAY DATA MANAGER
12
SCREEN DISPLAY DATA HOLDING PART
21
CONTROLLER ASYN-CHRONOUS DATA PROCESSING PART
11
ASYNCHRONOUS DATA TRANSMITTER/ RECEIVER
5
CONTROLLER SIGNAL PROCESSING PART
10
SYNCHRONOUS DATA TRANSMITTER/ RECEIVER
3
PACKET TRANSMITTER/RECEIVE
2
1

0093590 "3h/T8560

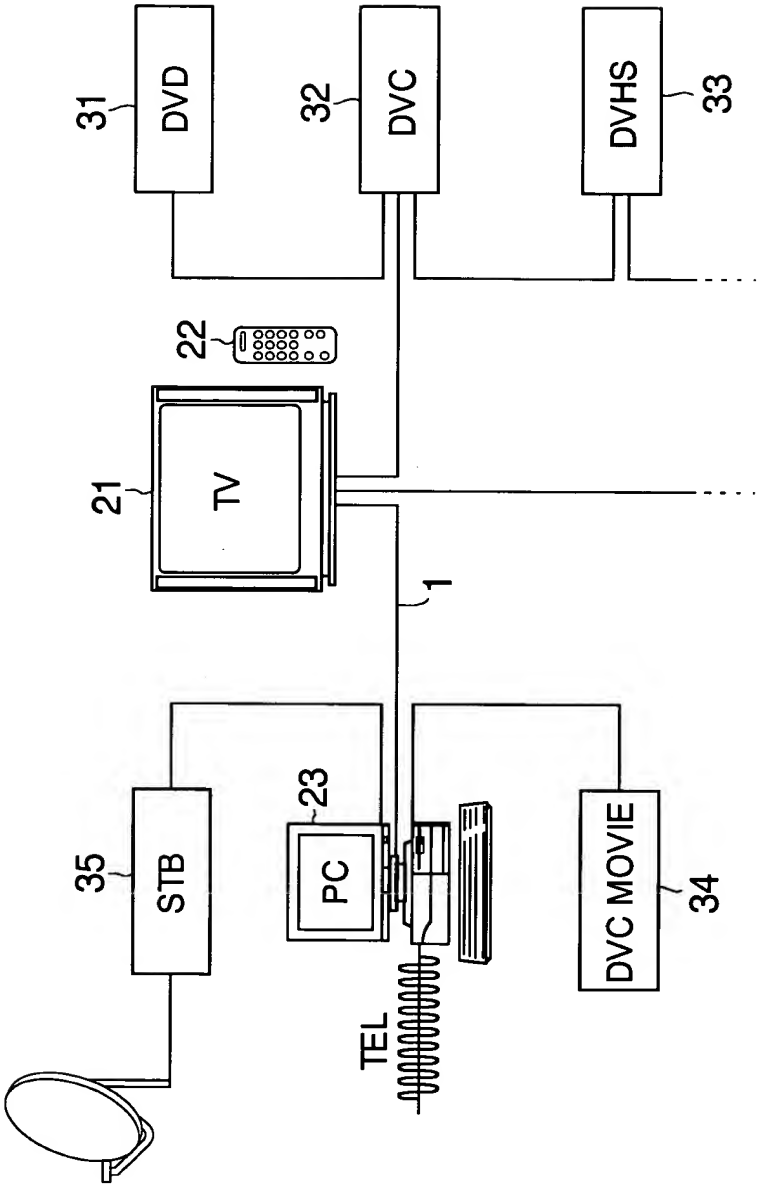


Fig. 3

09/581748

Fig. 4A

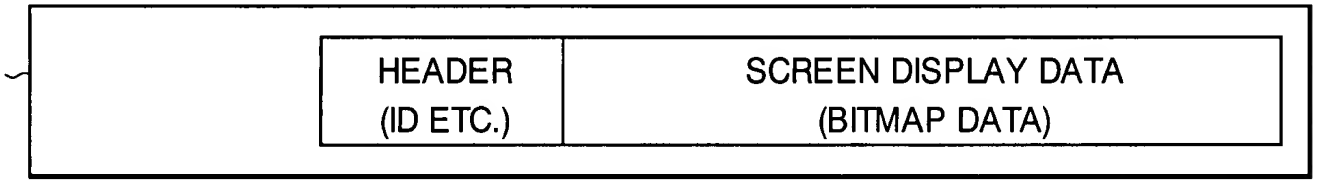


Fig. 4B

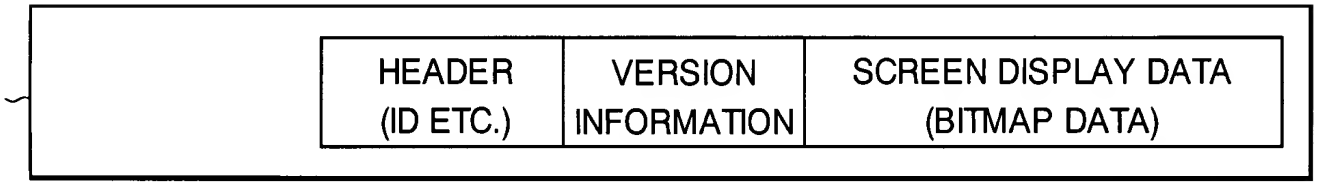
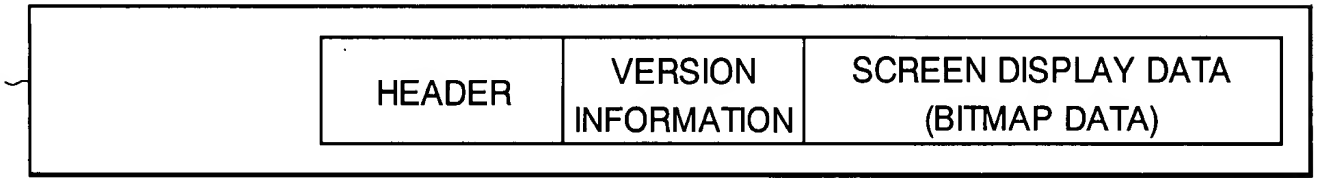


Fig. 4C



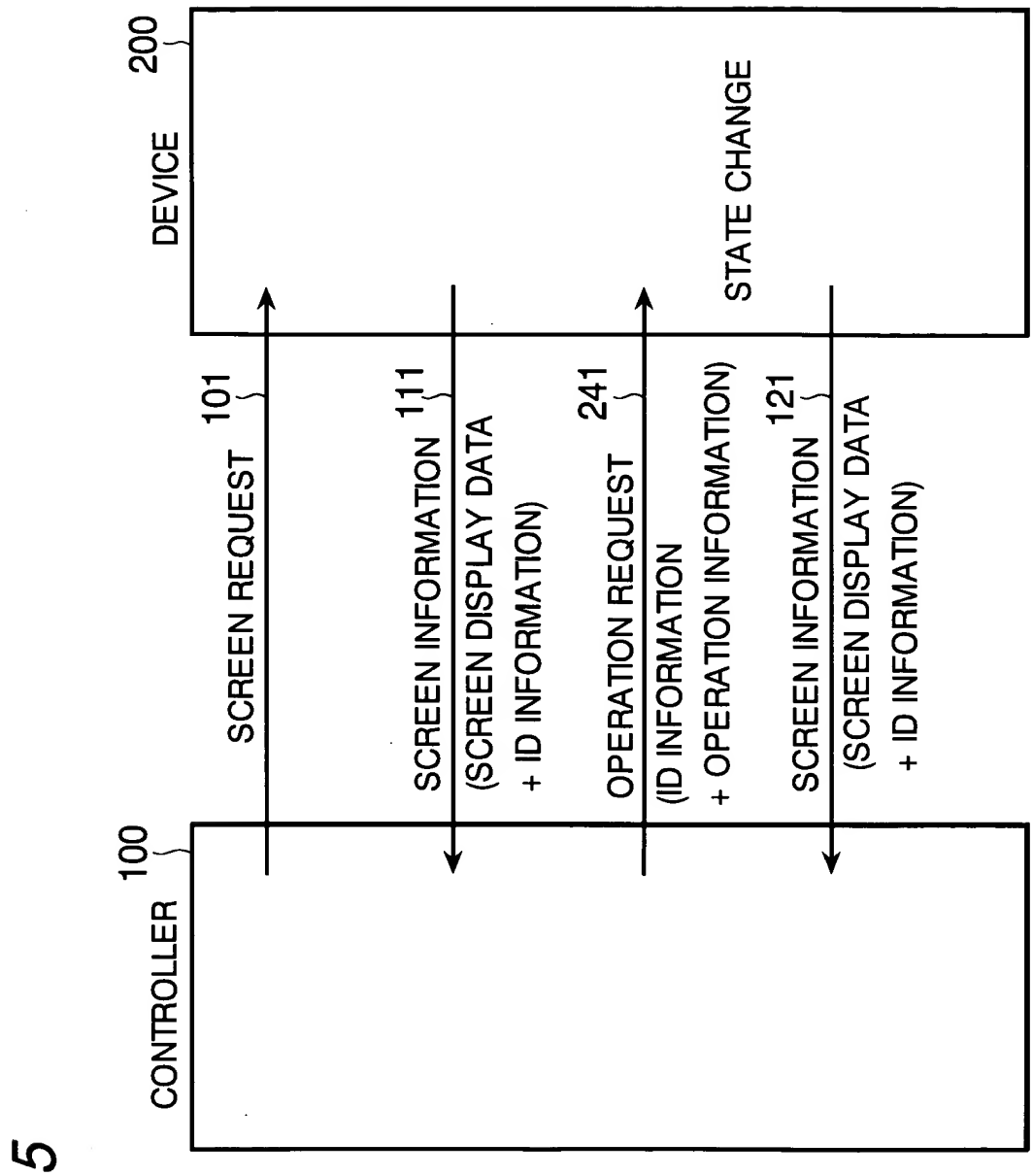

CONTROLLER
100
DEVICE
200
SCREEN REQUEST
101
SCREEN INFORMATION
111
(SCREEN DISPLAY DATA
+ ID INFORMATION)
OPERATION REQUEST
241
(ID INFORMATION
+ OPERATION INFORMATION)
STATE CHANGE
SCREEN INFORMATION
121
(SCREEN DISPLAY DATA
+ ID INFORMATION)

Fig. 5

09581748 "84/7/8560

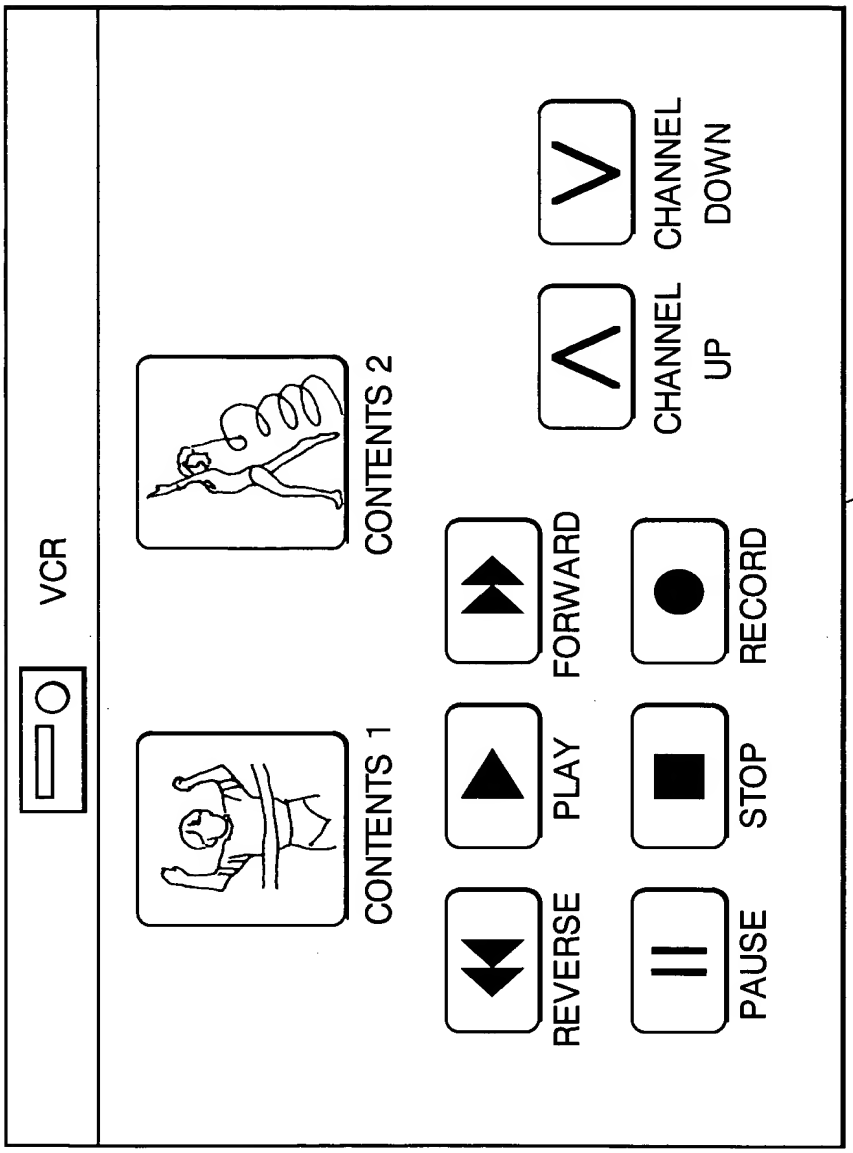
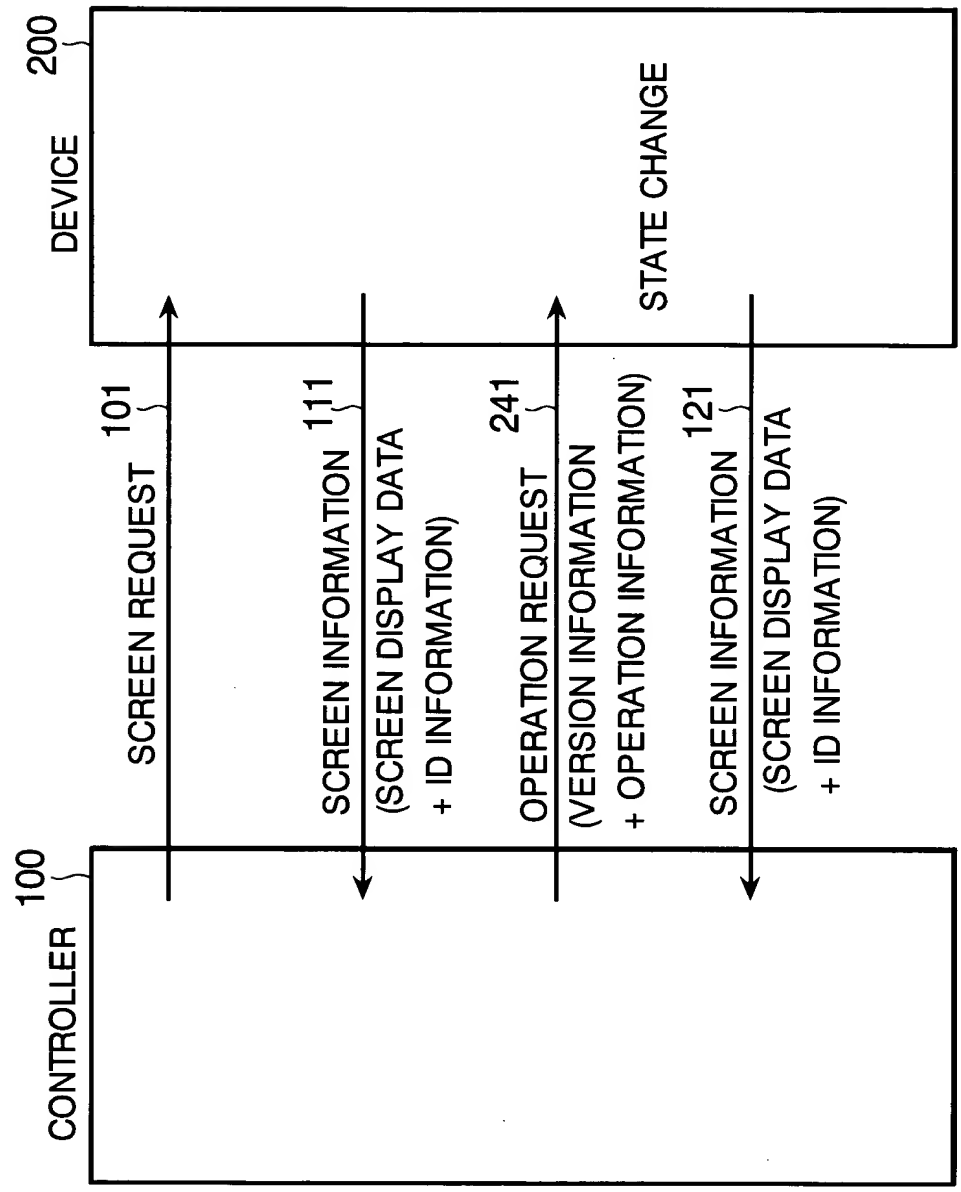


Fig. 6

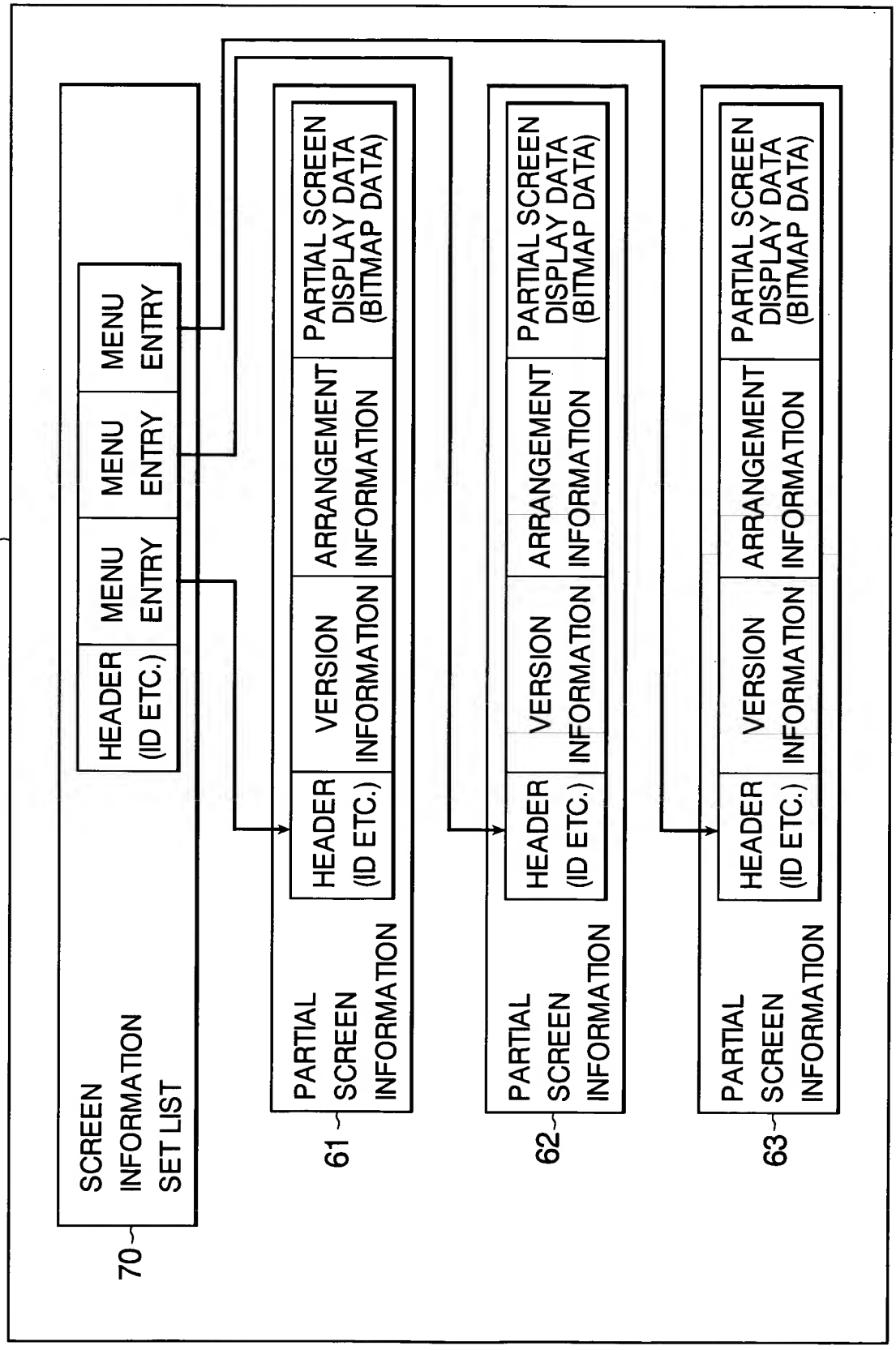
0057490 "647T9560

Fig. 7



09581748 "Rec'd PCT/PTO 25 JUN 2000"

Fig. 8



JC13 Rec'd PCT/PTO 08 JUN 2000

09581748 "060700 64/7185 60

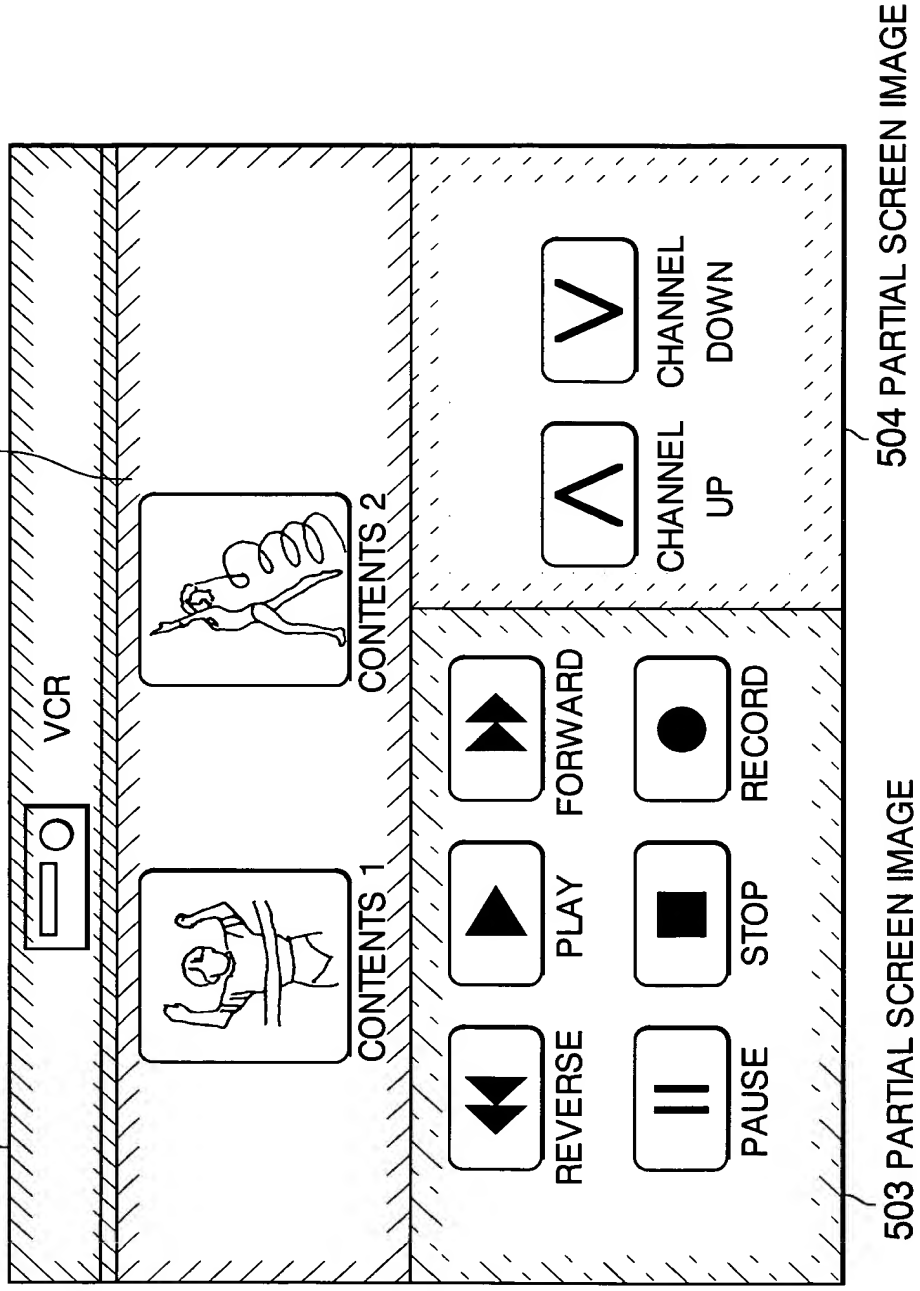


Fig. 9

Fig. 10

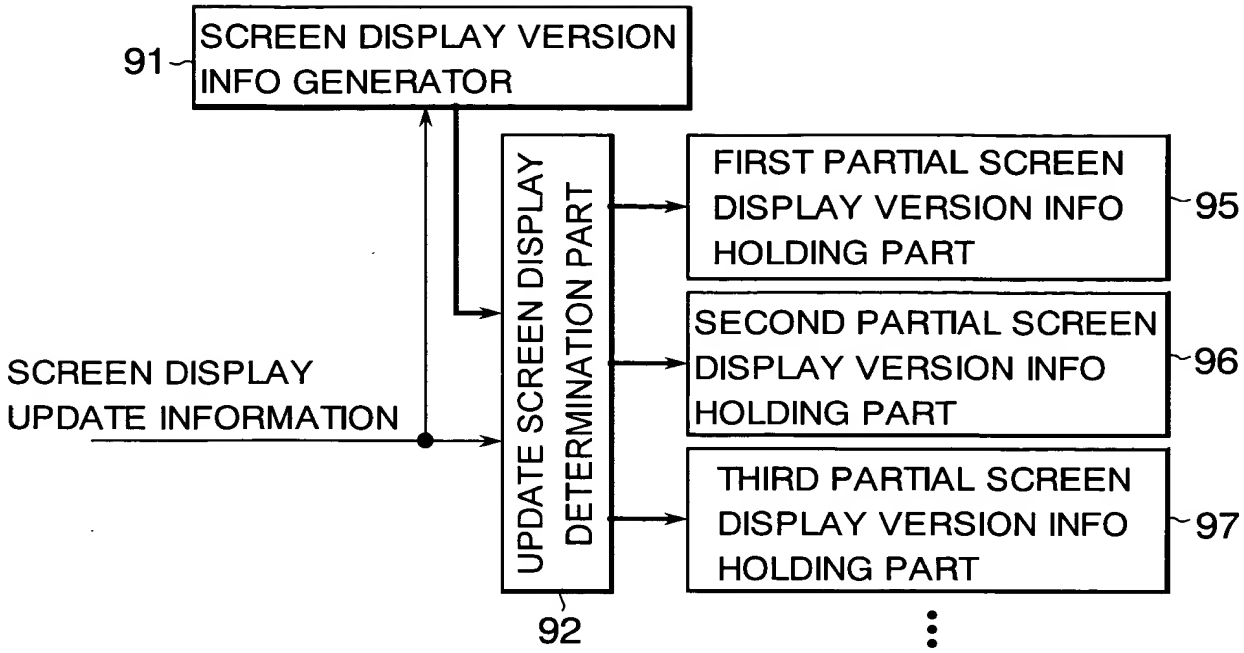

91
SCREEN DISPLAY VERSION INFO GENERATOR
SCREEN DISPLAY UPDATE INFORMATION
UPDATE SCREEN DISPLAY DETERMINATION PART
92
FIRST PARTIAL SCREEN DISPLAY VERSION INFO HOLDING PART
95
SECOND PARTIAL SCREEN DISPLAY VERSION INFO HOLDING PART
96
THIRD PARTIAL SCREEN DISPLAY VERSION INFO HOLDING PART
97

Fig. 11

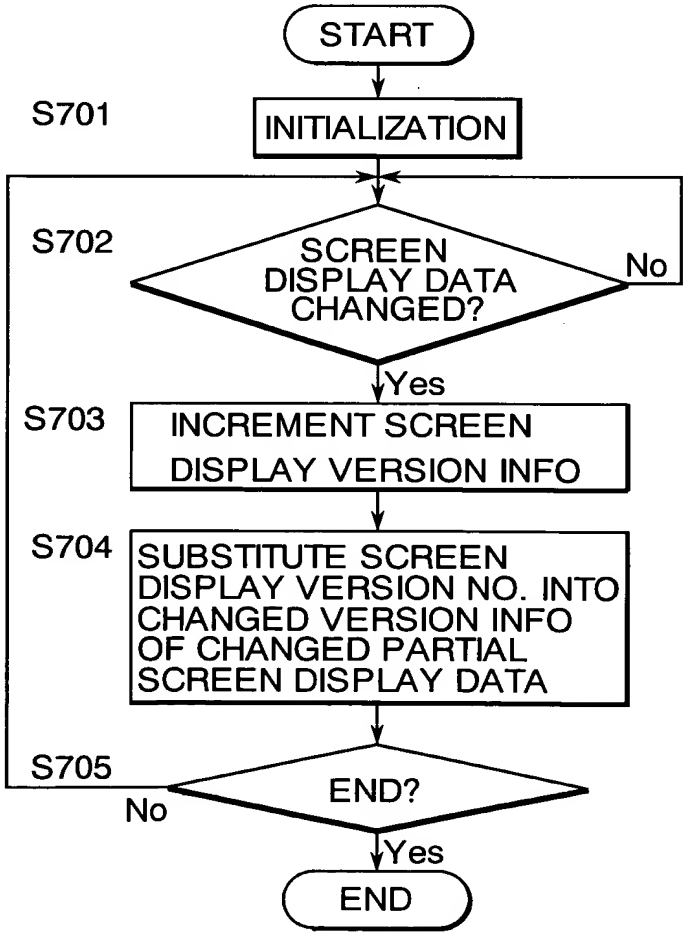

START
S701
INITIALIZATION
S702
SCREEN DISPLAY DATA CHANGED?
No
Yes
S703
INCREMENT SCREEN DISPLAY VERSION INFO
S704
SUBSTITUTE SCREEN DISPLAY VERSION NO. INTO CHANGED VERSION INFO OF CHANGED PARTIAL SCREEN DISPLAY DATA
S705
END?
No
Yes
END

Fig. 12

	SCREEN DISPLAY	FIRST SCREEN PARTIAL DISPLAY	SECOND SCREEN PARTIAL DISPLAY	THIRD SCREEN PARTIAL DISPLAY
INITIAL VALUE	0	0	0	0
AFTER SECOND PARTIAL SCREEN DISPLAY DATA IS CHANGED	1	0	1	0
AFTER THIRD PARTIAL SCREEN DISPLAY DATA IS CHANGED	2	0	1	2
AFTER SECOND PARTIAL SCREEN DISPLAY DATA IS CHANGED	3	0	3	2
AFTER SECOND PARTIAL SCREEN DISPLAY DATA IS CHANGED	4	0	4	2
AFTER FIRST PARTIAL SCREEN DISPLAY DATA IS CHANGED	5	5	4	2
⋮	⋮	⋮	⋮	⋮

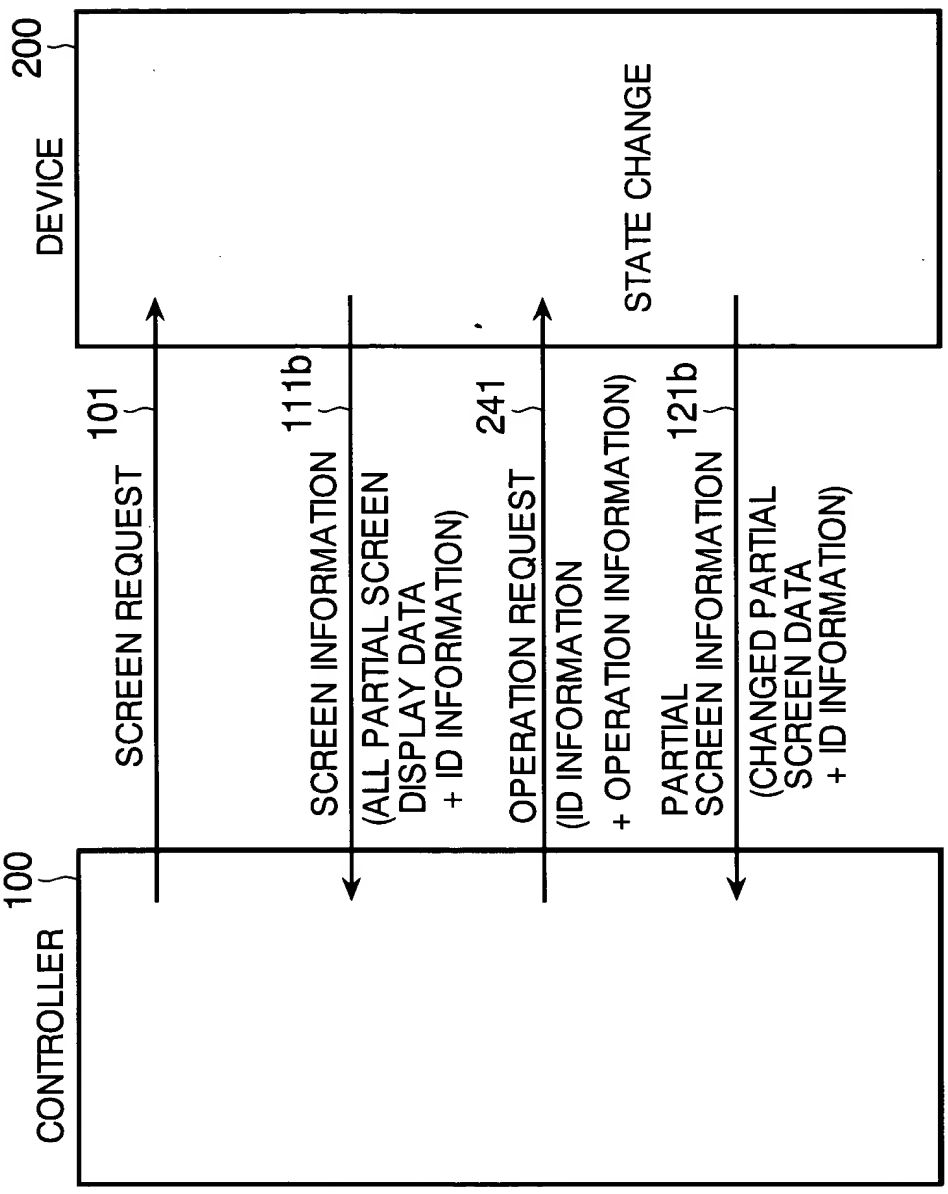

CONTROLLER
100
DEVICE
200
SCREEN REQUEST
101
SCREEN INFORMATION
111b
(ALL PARTIAL SCREEN
DISPLAY DATA
+ ID INFORMATION)
OPERATION REQUEST
241
(ID INFORMATION
+ OPERATION INFORMATION)
STATE CHANGE
PARTIAL
SCREEN INFORMATION
121b
(CHANGED PARTIAL
SCREEN DATA
+ ID INFORMATION)

Fig. 13

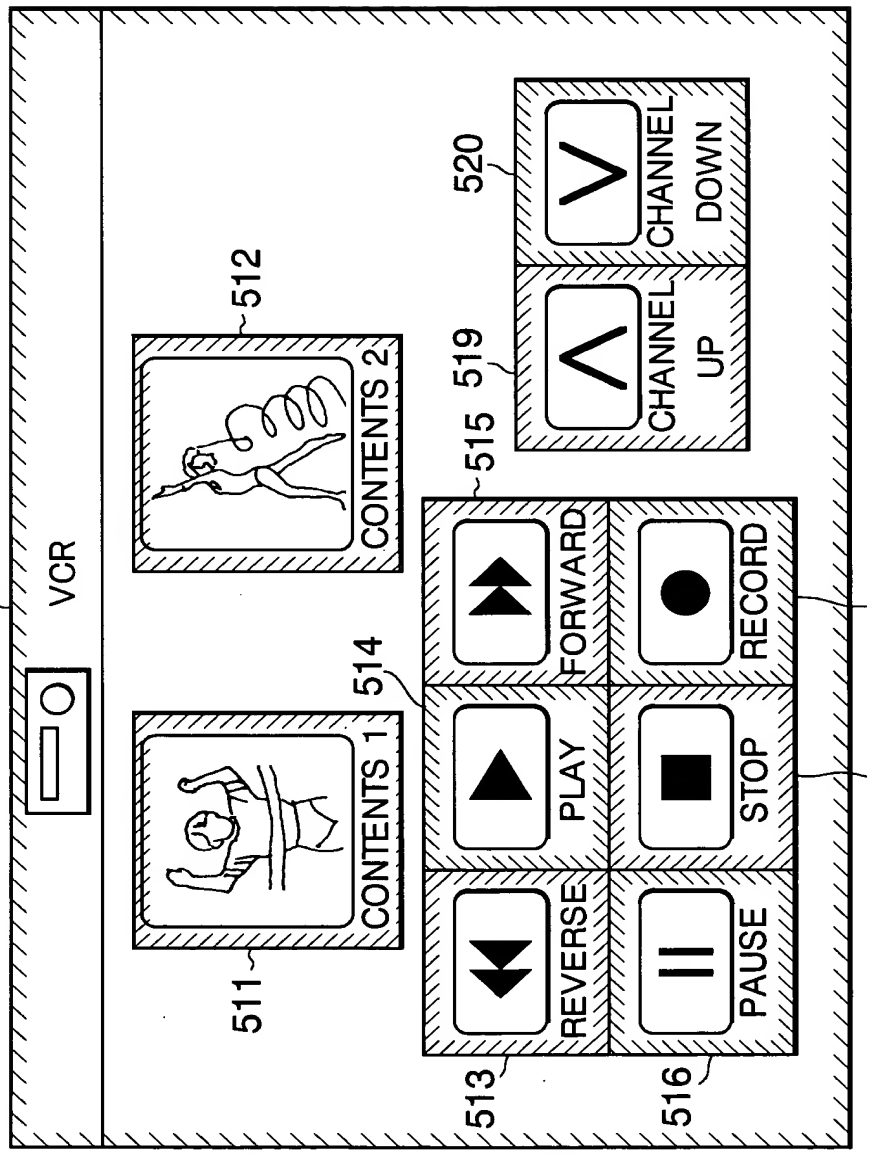

510
VCR
CONTENTS 1
511
CONTENTS 2
512
514
515
519
CHANNEL UP
520
CHANNEL DOWN
FORWARD
PLAY
REVERSE
513
RECORD
518
STOP
517
PAUSE
516

Fig. 14

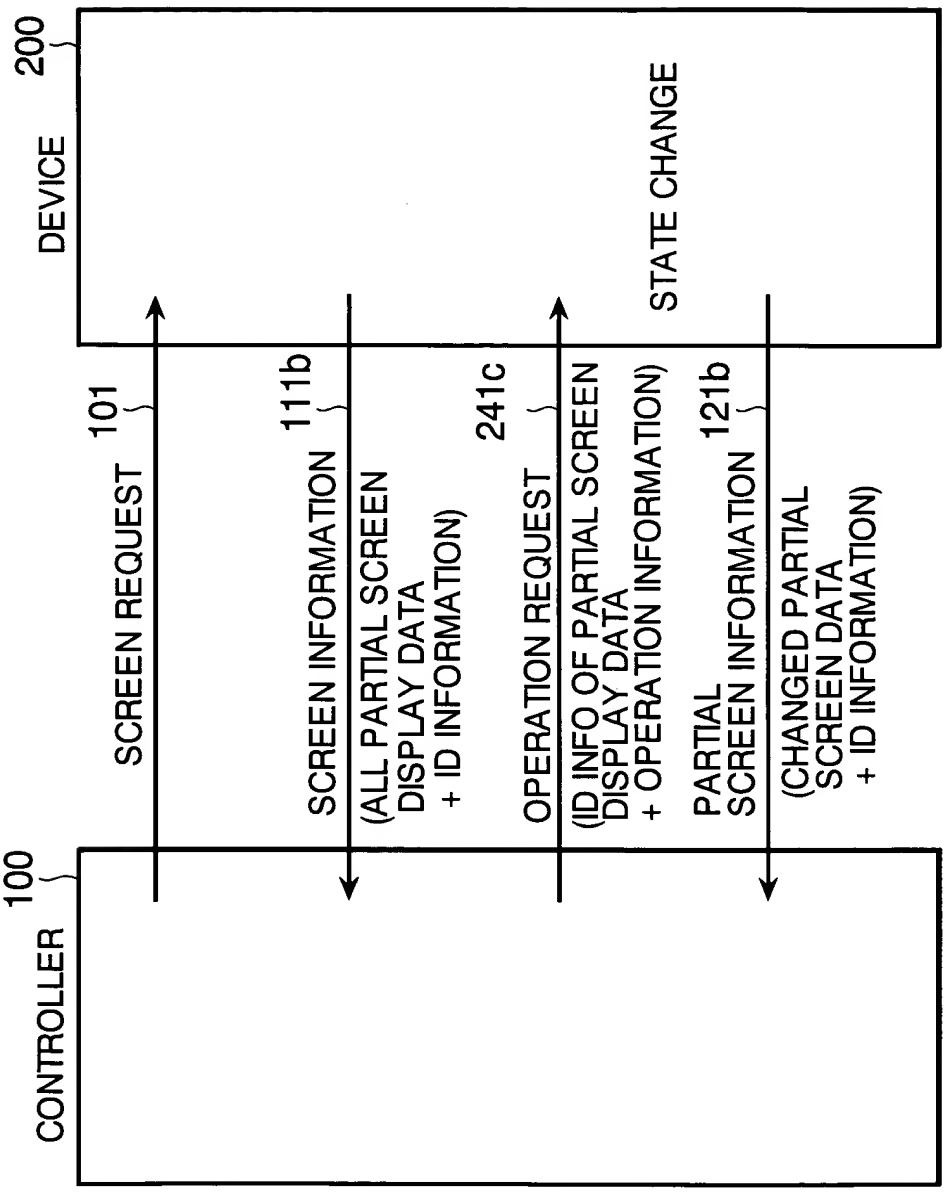
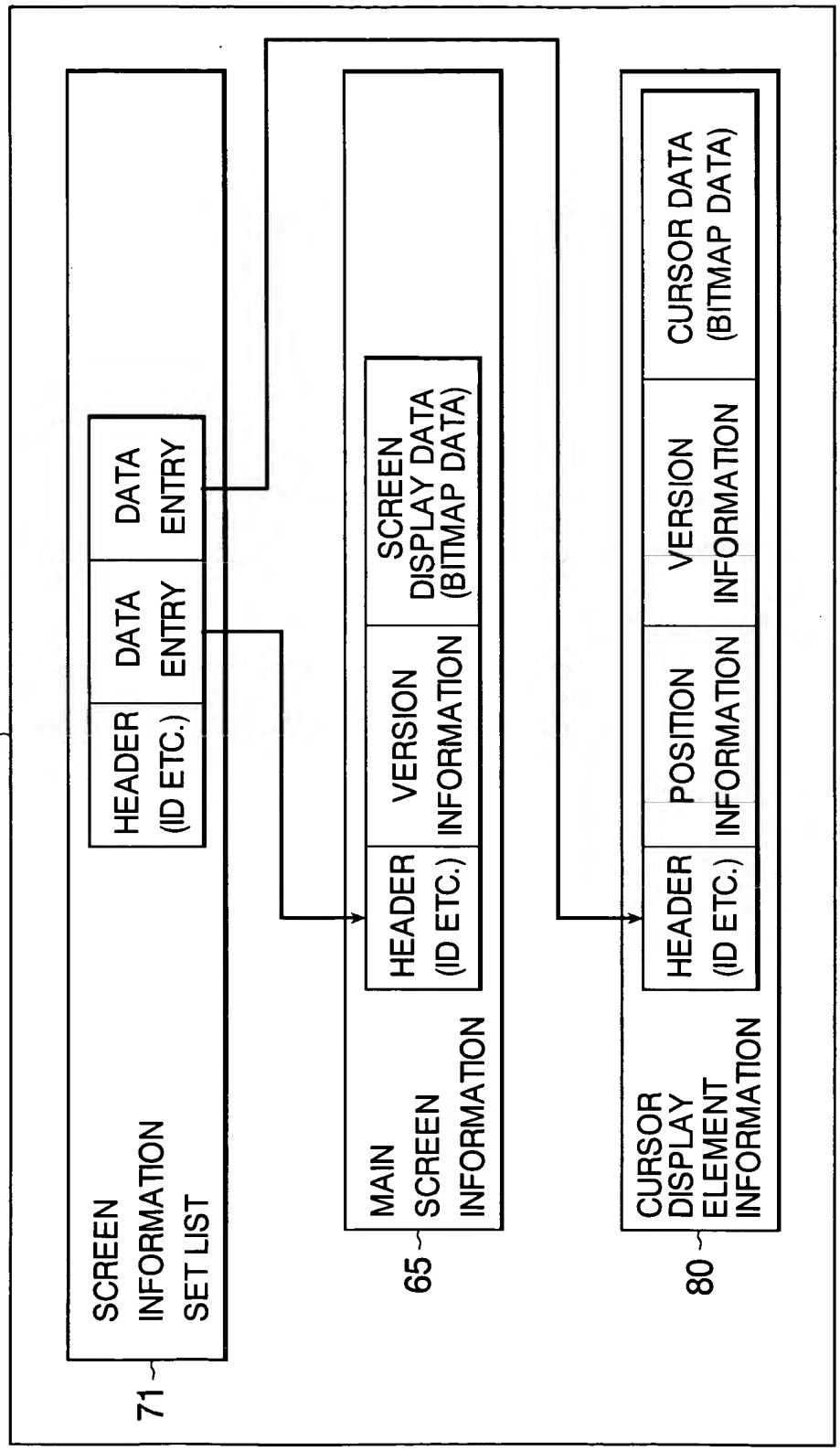

CONTROLLER
100
DEVICE
200
SCREEN REQUEST
101
SCREEN INFORMATION
111b
(ALL PARTIAL SCREEN
DISPLAY DATA
+ ID INFORMATION)
OPERATION REQUEST
241c
(ID INFO OF PARTIAL SCREEN
DISPLAY DATA
+ OPERATION INFORMATION)
STATE CHANGE
PARTIAL
SCREEN INFORMATION
121b
(CHANGED PARTIAL
SCREEN DATA
+ ID INFORMATION)

Fig. 15

Fig. 16


54
SCREEN INFORMATION SET LIST
71
HEADER (ID ETC.)
DATA ENTRY
DATA ENTRY
MAIN SCREEN INFORMATION
65
HEADER (ID ETC.)
VERSION INFORMATION
SCREEN DISPLAY DATA (BITMAP DATA)
CURSOR DISPLAY ELEMENT INFORMATION
80
HEADER (ID ETC.)
POSITION INFORMATION
VERSION INFORMATION
CURSOR DATA (BITMAP DATA)

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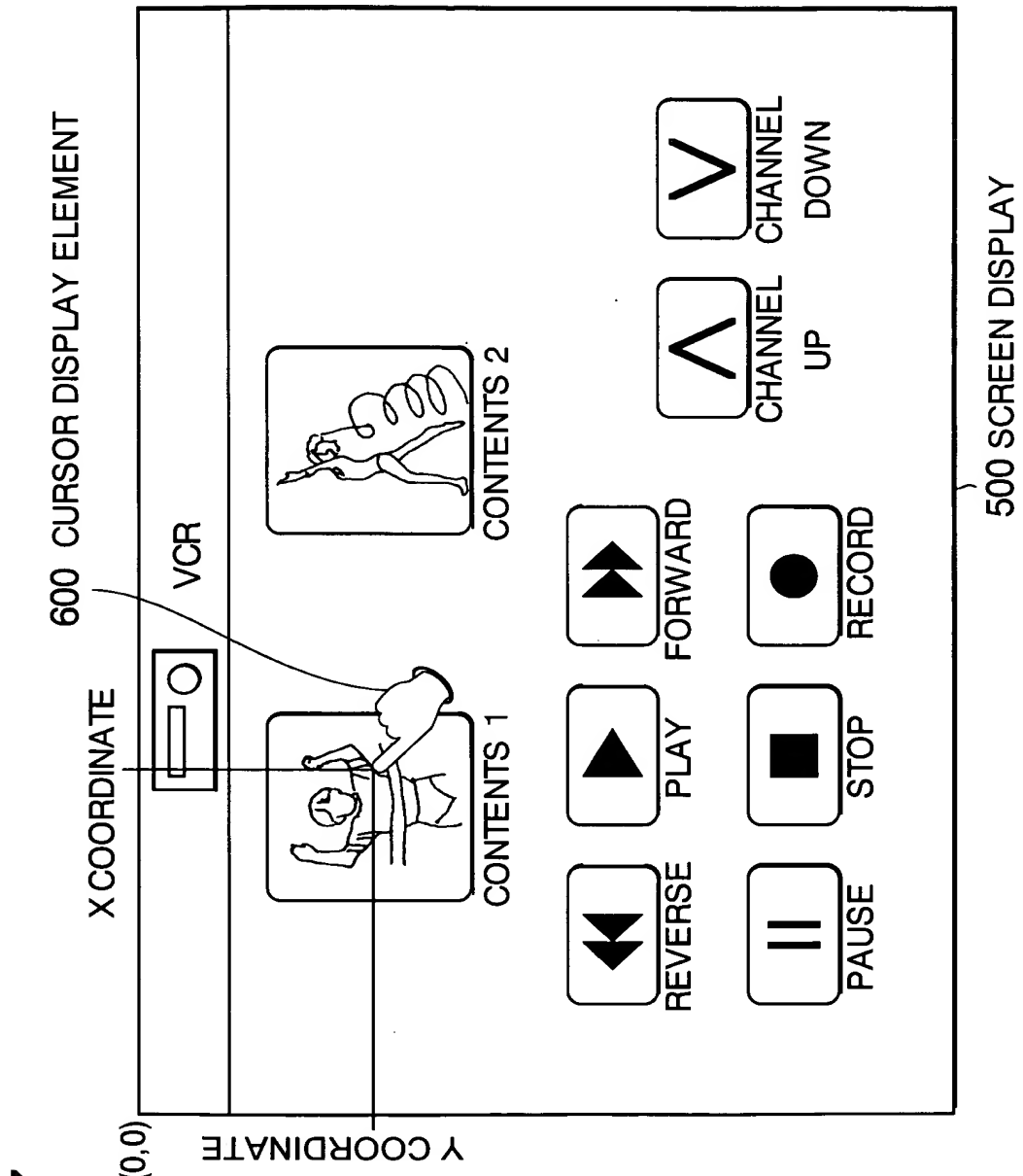


Fig. 17

PCT/JP98/05950 09581748

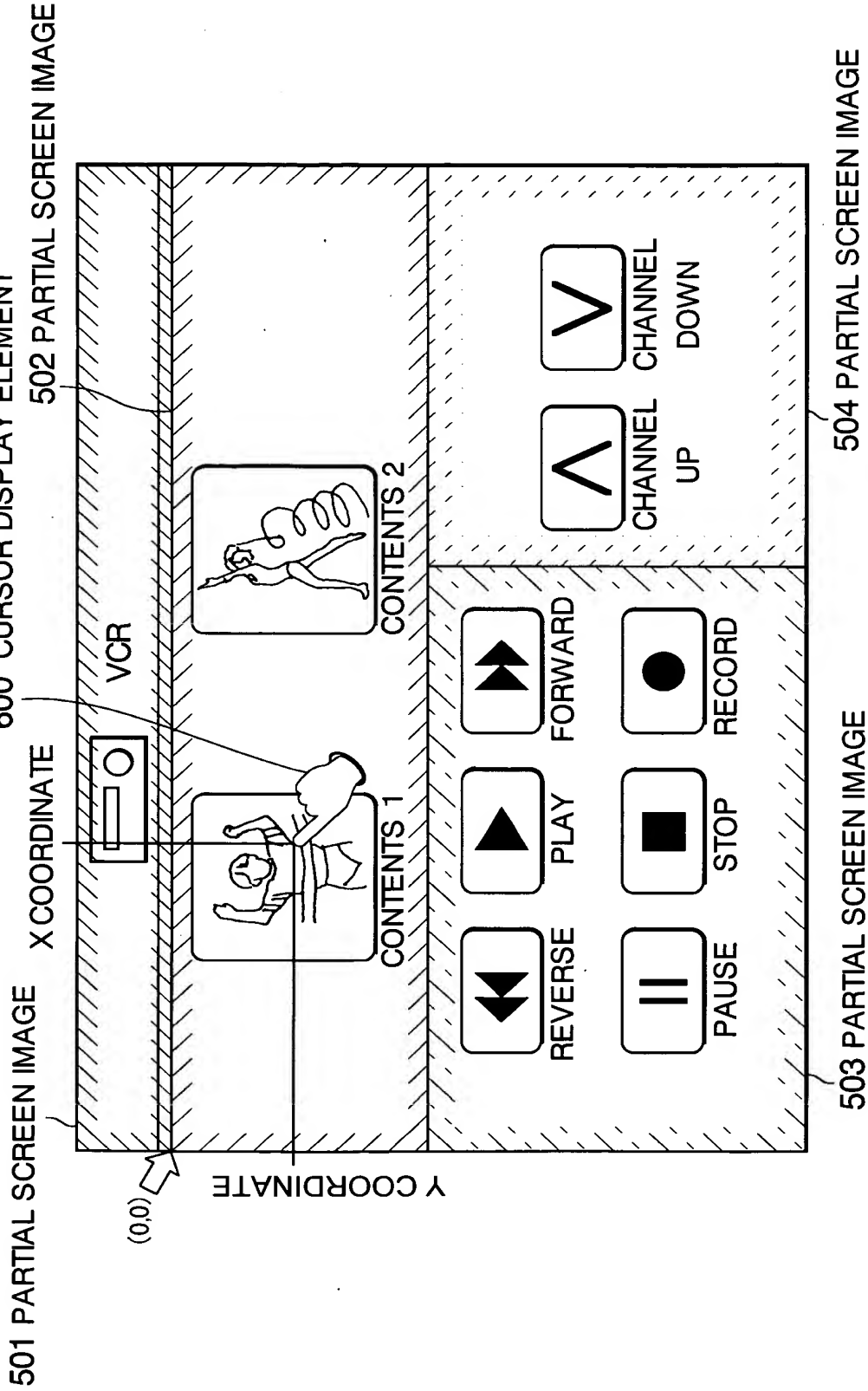
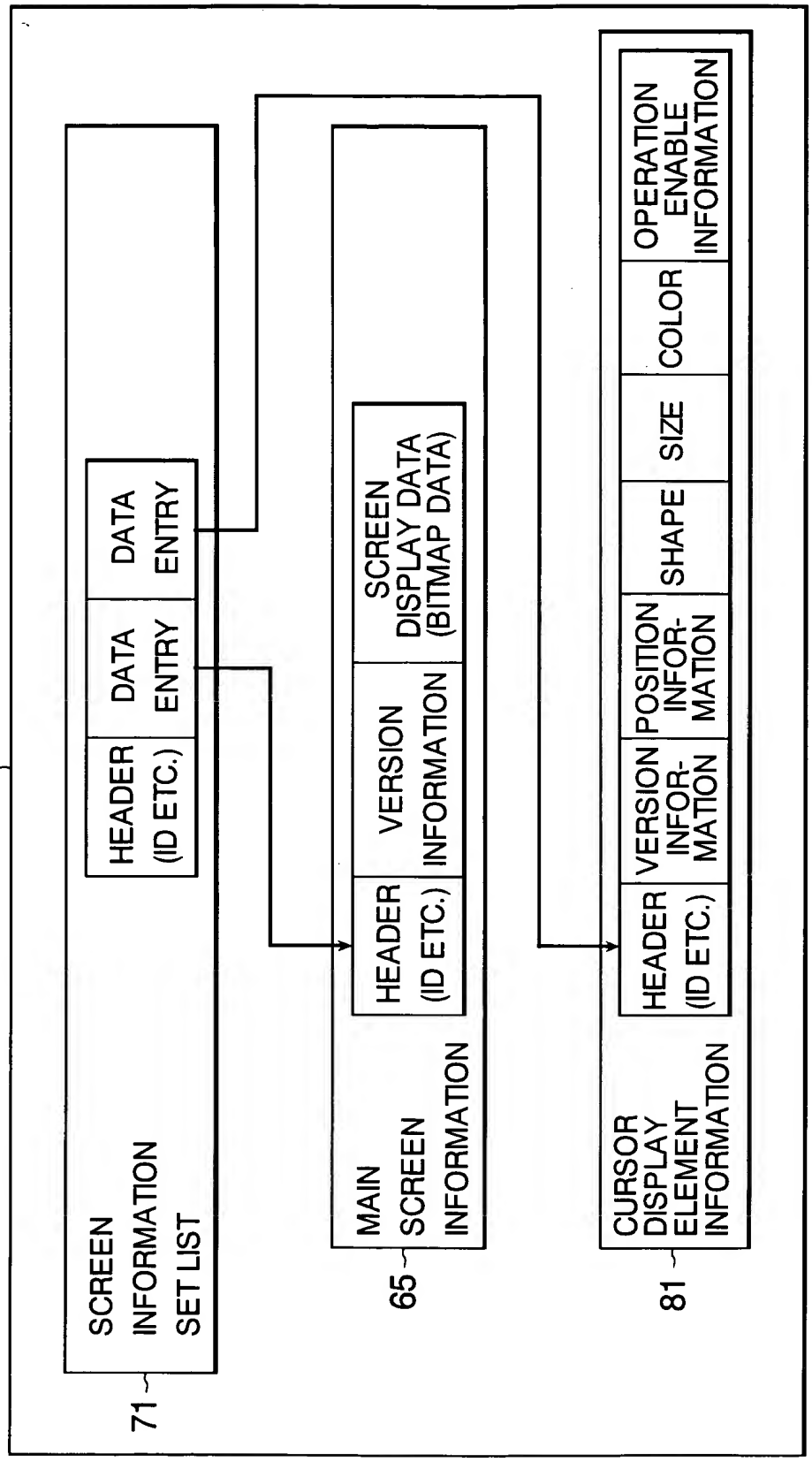


Fig. 18

09590 84/2850

Fig. 19



09/581748

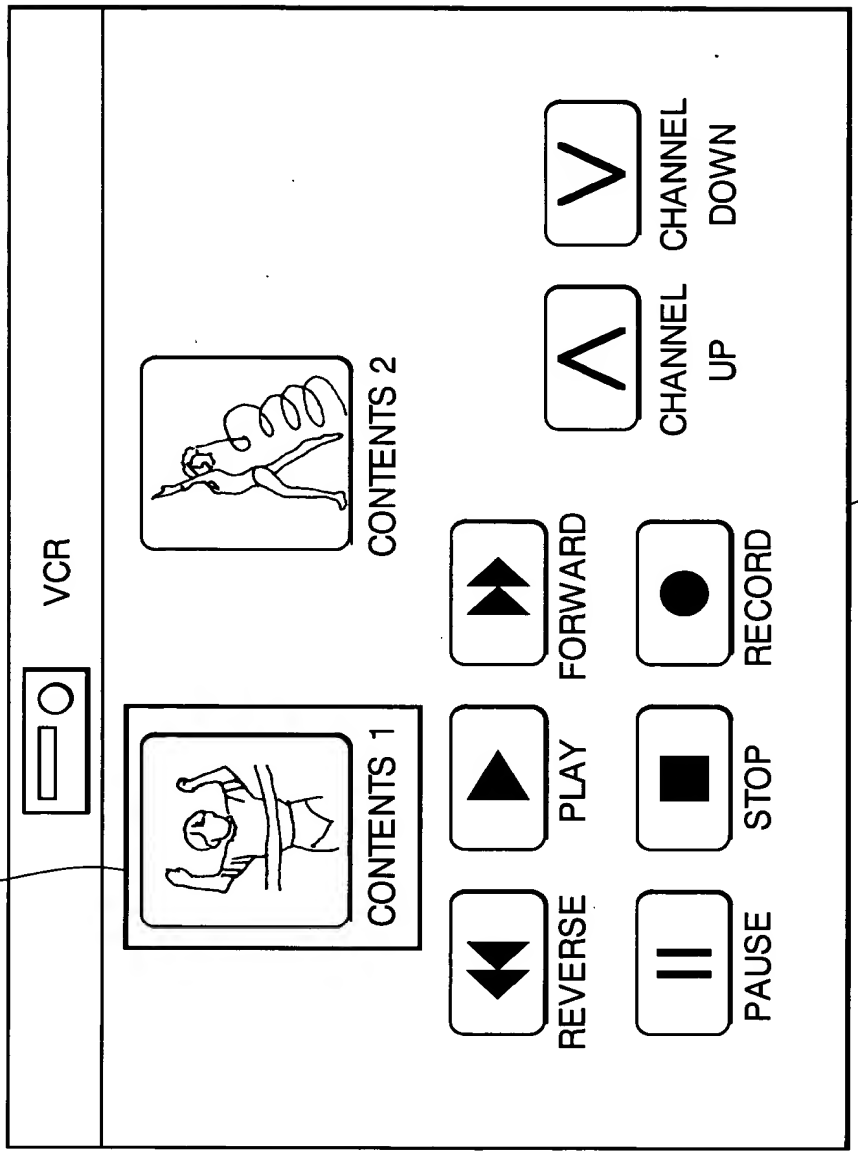


Fig. 20